

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>A/PFE 318</b>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/EP2004/013357</b>	International filing date (day/month/year) <b>25/11/2004</b>	(Earliest) Priority Date (day/month/year) <b>05/12/2003</b>
Applicant <b>CIBA SPEZIALITÄTENCHEMIE PFERSEE GMBH</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2.  Certain claims were found unsearchable (See Box II).

3.  Unity of invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b.  none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/013357

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 D21H21/34

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 D21H D21J D06M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 542 071 A (WOLMAN GMBH DR) 19 May 1993 (1993-05-19) the whole document -----	1-9
A	EP 0 599 812 A (CHISSO CORP) 1 June 1994 (1994-06-01) the whole document -----	1-9
A	EP 0 401 538 A (CHISSO CORP) 12 December 1990 (1990-12-12) the whole document -----	1-9
A	WO 00/29490 A (HUHN WOLFGANG ; RATHENOW JOERG (DE); COLLOID SURFACE TECHNOLOGIES G (D) 25 May 2000 (2000-05-25) the whole document ----- -/-	1-9

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

21 March 2005

04/04/2005

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/013357

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 451 665 A (ALBRIGHT & WILSON) 16 October 1991 (1991-10-16) the whole document -----	1-9
A	US 2 632 743 A (ECKERT LEWIS W) 24 March 1953 (1953-03-24) the whole document -----	1-9
A	GB 1 450 446 A (UNITED MERCHANTS & MFG) 22 September 1976 (1976-09-22) the whole document -----	1-9

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/EP2004/013357

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
EP 0542071	A 19-05-1993		DE 4137621 A1 AT 128062 T DE 59203752 D1 DK 542071 T3 EP 0542071 A1 ES 2076649 T3 GR 3017715 T3	19-05-1993 15-10-1995 26-10-1995 13-11-1995 19-05-1993 01-11-1995 31-01-1996
EP 0599812	A 01-06-1994		JP 3014700 A JP 3137289 A JP 2909826 B2 JP 3137290 A JP 2909827 B2 JP 3130499 A EP 0599812 A2 DE 69022292 D1 DE 69022292 T2 DE 69031840 D1 DE 69031840 T2 EP 0401538 A2 US 5160582 A	23-01-1991 11-06-1991 23-06-1999 11-06-1991 23-06-1999 04-06-1991 01-06-1994 19-10-1995 15-02-1996 29-01-1998 09-04-1998 12-12-1990 03-11-1992
EP 0401538	A 12-12-1990		JP 3014700 A JP 3137289 A JP 2909826 B2 JP 3137290 A JP 2909827 B2 JP 3130499 A DE 69022292 D1 DE 69022292 T2 DE 69031840 D1 DE 69031840 T2 EP 0401538 A2 EP 0599812 A2 US 5160582 A	23-01-1991 11-06-1991 23-06-1999 11-06-1991 23-06-1999 04-06-1991 19-10-1995 15-02-1996 29-01-1998 09-04-1998 12-12-1990 01-06-1994 03-11-1992
WO 0029490	A 25-05-2000		DE 19852584 A1 DE 19901973 A1 AT 286945 T DE 59911454 D1 WO 0029489 A1 WO 0029490 A2 EP 1124906 A1 EP 1144516 A2	18-05-2000 03-08-2000 15-01-2005 17-02-2005 25-05-2000 25-05-2000 22-08-2001 17-10-2001
EP 0451665	A 16-10-1991		AU 7428491 A BR 9101494 A CA 2039632 A1 CN 1055567 A EP 0451665 A1 FI 911743 A GB 2242915 A ,B HU 57293 A2 IE 911218 A1 JP 4222278 A NO 911431 A PL 289869 A1 PT 97362 A	17-10-1991 03-12-1991 13-10-1991 23-10-1991 16-10-1991 13-10-1991 16-10-1991 28-11-1991 23-10-1991 12-08-1992 14-10-1991 02-12-1991 31-12-1991

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Information on patent family members

International Application No

PCT/EP2004/013357

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
EP 0451665	A	ZA	9102554 A	25-03-1992
US 2632743	A	24-03-1953	GB 733560 A	13-07-1955
GB 1450446	A	22-09-1976	CA 996705 A1 US 4028053 A	14-09-1976 07-06-1977